

Title (en)
METHOD AND APPARATUS FOR AN ELECTRIC METER

Title (de)
VERFAHREN UND VORRICHTUNG FÜR EINEN STROMZÄHLER

Title (fr)
PROCEDE ET APPAREIL POUR COMPTEUR ELECTRIQUE

Publication
EP 1805523 A4 20180103 (EN)

Application
EP 05792403 A 20050824

Priority
• US 2005030620 W 20050824
• US 96928904 A 20041019

Abstract (en)
[origin: WO2006044035A2] An improved meter and its operation is described. The meter can be a part of a larger automated meter reading process that allows for remote reading of the meter through power line communication. Using a microcomputer core, the meter processes incoming analog data and can calculate several relevant data values need by utility providers. The meter can also be used to monitor and detect tampering dry connect/voltage free devices, such as gas and water meters, connected to the meter.

IPC 8 full level
G01R 11/00 (2006.01); **G01R 21/133** (2006.01); **G01R 22/06** (2006.01)

CPC (source: EP US)
G01R 21/133 (2013.01 - EP US); **G01R 22/066** (2013.01 - EP US); **Y04S 20/30** (2013.01 - EP)

Citation (search report)
• [X] WO 9810299 A1 19980312 - INNOVATEC CORP [US], et al
• [I] US 5590179 A 19961231 - SHINCOVICH JOHN T [US], et al
• [A] BENUTZER-HANDBUCH: "ABB i-bus EIB EIB Delta-Meter Energieverbrauchsähler", 28 February 2002 (2002-02-28), XP055425618, Retrieved from the Internet <URL:http://www.knx-gebaeudesysteme.de/sto_g/English/PRODUCT_MANUALS/EIB_DELTAMETER_PH_DE_V1-0_09074_00_S0101.PDF> [retrieved on 20171116]
• [A] ANALOG DEVICES: "ADE7753 Energy metering IC, Evaluation Board Documentation", 28 February 2002 (2002-02-28), XP002775627, Retrieved from the Internet <URL:http://smd.hu/Data/Analog/ADE77xx/Evalboards/ADE7753Eval_prB.pdf> [retrieved on 20171116]
• See references of WO 2006044035A2

Cited by
US11899516B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006044035 A2 20060427; WO 2006044035 A3 20060608; DK 1805523 T3 20230724; EP 1805523 A2 20070711;
EP 1805523 A4 20180103; EP 1805523 B1 20230426; FI 1805523 T3 20230718; US 2006091877 A1 20060504; US 2009292848 A1 20091126;
US 7583202 B2 20090901; US 8219334 B2 20120710

DOCDB simple family (application)
US 2005030620 W 20050824; DK 05792403 T 20050824; EP 05792403 A 20050824; FI 05792403 T 20050824; US 51198009 A 20090729;
US 96928904 A 20041019